

C L A I M S

5  
10 **1. A method of coating, wherein a hot melt adhesive, which has been thermally made flowable, is released from a coating device onto a substantially nonporous substrate as a substantially continuous coating without contact between said coating device and said substrate, and subsequently disposed upon the surface of said substrate.**

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20 **2. A method of coating, wherein a hot melt adhesive, which has been thermally made flowable, is released from a coating device onto a substrate as a substantially continuous coating without contact between said coating device and said substrate, and subsequently disposed upon the surface of said substrate, wherein the distance between the coating device and the substrate is greater than 20 mm.**

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30 **3. A method of coating, wherein a hot melt adhesive, which has been thermally made flowable, is provided in the form of a substantially continuous nonporous film without contact of the film with a substrate or a roller, and said film is then coated onto a substrate by means of a release-coated roller in direct contact with the adhesive film, said roller nipping said adhesive and said substrate.**

35 **4. A method of coating, wherein a hot melt adhesive, which has been thermally made flowable, is released from a coating device onto a release coated roller as a substantially continuous coating without contact between said coating device and said roller, and subsequently disposed upon the surface of a substrate.**

**5. A method of coating, wherein a hot melt adhesive,**

5 which has been thermally made flowable, is provided in the  
form of a substantially continuous nonporous film without  
contact of the film with a substrate, and said film is then  
coated onto a first substrate, with a release-coated  
substrate disposed upon that surface of the hot melt  
10 adhesive which is not in contact with the first substrate.

6. A method of coating, wherein a hot melt adhesive,  
which has been thermally made flowable, is provided in the  
form of a substantially continuous nonporous film without  
15 contact of the film with a substrate, and said film is then  
disposed upon a release-coated substrate and is then  
transfer-coated onto a second substrate.

7. A method of coating, wherein a hot melt adhesive,  
20 which has been thermally made flowable, is released from a  
coating device onto a first substrate as a substantially  
continuous coating without contact between said coating  
device and said first substrate, and subsequently disposed  
upon the surface of said first substrate, wherein said  
25 coating is reheated and then contacted to a second  
substrate.

8. A method of coating, wherein a thermoplastic  
material which has been thermally made flowable, is  
30 provided in the form of a substantially continuous  
nonporous film without contact of the film with a substrate  
and said film is then coated onto a substantially nonporous  
substrate.

35 9. A method of coating, wherein a thermoplastic  
material, which has been thermally made flowable, is  
released from a coating device at less than about 240°C in  
the form of a substantially continuous nonporous film,  
without contact of the film with a substrate, and said film

5 is then coated onto a substrate.

10. A method of coating, wherein a thermoplastic material, which has been thermally made flowable, is provided in the form of a substantially continuous nonporous film without contact of the film with a substrate and said film is then coated onto a substrate, said coating having a complex viscosity of less than about 500 poise at about 1000 radians/sec at the coating temperature.

11. A method of coating, wherein a thermoplastic coating having a complex viscosity of less than about 500 poise at about 1000 radians/sec at the coating temperature has been thermally made flowable is released from a coating device onto a nonporous substrate as a substantially continuous coating without contact between said coating device and said substrate, and subsequently disposed upon the surface of said substrate.

12. A method of coating, wherein a thermoplastic coating having a complex viscosity of less than about 500 poise at about 1000 radians/sec at the coating temperature, which has been thermally made flowable, is released from a coating device onto a substrate as a substantially continuous coating without contact between said coating device and said substrate, and subsequently disposed upon the surface of said substrate, wherein the distance between the coating device and the substrate is greater than 20 mm.

13. A method of coating, wherein a thermoplastic coating having a complex viscosity of less than about 500 poise at about 1000 radians/sec at the coating temperature, which has been thermally made flowable, is released from a coating device onto a first substrate as a substantially continuous coating without contact between said coating

5 device and said first substrate, and subsequently disposed  
upon the surface of said first substrate, wherein said  
coating is reheated and then contacted to a second  
substrate.

10 14. A method of coating, wherein a thermoplastic coating  
having a complex viscosity of less than about 500 poise at  
about 1000 radians/sec at the coating temperature, which  
has been thermally made flowable, is released from a  
coating device onto a release coated roller as a  
15 substantially continuous coating without contact between  
said coating device and said roller and subsequently  
disposed upon the surface of a substrate.

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20 15. The method of claims ~~8 to 14~~<sup>10</sup>, wherein said  
thermoplastic coating has a complex viscosity of less than  
1000 poise at about 1 radians/sec at the coating  
temperature.

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25 16. The method of claims ~~1 to 15~~<sup>1</sup>, wherein said substrate  
is selected from the group consisting of film, foil, paper  
and combinations thereof.

30 17. The method of claim 16, wherein said first and said  
second substrates are selected from films, foils, paper,  
coated paper, co-extruded films and other laminating  
materials, and said adhesive is a nonreactive adhesive, or  
a reactive hot melt adhesive.

35 18. The method of claims 15 or 16, wherein said coated  
substrate comprises a heat sealing material.

9 19. The method of claims ~~1 to 18~~<sup>1</sup>, wherein said coating  
device is a slot nozzle.

5 20. The method of claims 1 to 19, wherein said coating has an area weight of less than about 60 g/m<sup>2</sup>.

9 21. The method of claims 1 to 20, wherein the coating has an area weight of less than about 30 g/m<sup>2</sup>.

10 22. The method of claims 1 to 21, wherein the coating has an area weight of less than about 10 g/m<sup>2</sup>.

9 23. The method of claims 8 to 14, wherein the thermoplastic composition is released from the coating device at a temperature of less than about 160°C.

20 24. The method of claims 8 to 14, wherein the thermoplastic composition is released from the coating device at a temperature of less than about 110°C.

25 25. The method of claims 1 to 24, wherein a first substrate is bonded to at least one second substrate "inline" or "offline".

9 26. The method of claims 1 to 25, wherein the distance between the coating device and the substrate ranges from about 0.5 mm to 500 mm.

30 27. A book cover made by any one of the methods of claim 1 to 26.

28. A lamination made by any one of the methods of claim 1

9 35 1 to 26.

add  
A3

Add B1

Add C2